



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/659,326  
Applicant : HARASHIMA, ET AL.  
Filed : SEPTEMBER 11, 2003  
Title : METHOD FOR MODIFYING CHROMOSOMES

Art Unit : TO BE ASSIGNED  
Examiner : TO BE ASSIGNED

Atty Docket No. : NANJ-0009-1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The below-identified communication(s) is (are) submitted in the above-captioned application or proceeding:

- ☒ Information Disclosure Statement
- ☒ Form 1449 w/references

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-NANJ-0009-1.**

Respectfully submitted,

---

Ajay A. Jagtiani  
Registration Number 35,205

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

January 14, 2004



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/659,326  
Applicant : HARASHIMA, ET AL.  
Filed : SEPTEMBER 11, 2003  
Title : METHOD FOR MODIFYING CHROMOSOMES

Art Unit : TO BE ASSIGNED  
Examiner : TO BE ASSIGNED

Atty Docket No. : NANJ-0009-1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. § 120 and identified below, is not submitted herewith.

**CONCISE STATEMENT OF RELEVANCY**  
**(NON-ENGLISH LANGUAGE DOCUMENTS ONLY)**

A partial translation of Japanese Laid-Open Patent Publication No. 10-84945 accompanies the original document and is a concise statement of the relevant portions of the non-English reference. The concise statement appears on a separate sheet and is incorporated on page 2.

**CERTIFICATION**

This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number; or before the first office action on the merits whichever applies.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-NANJ-0009-1**.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,

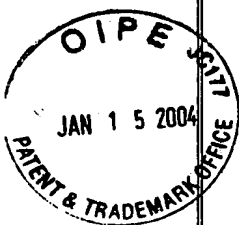


---

Ajay A. Jagtiani  
Registration Number 35,205

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

January 14, 2004



Form PTO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER <b>NANJ-0009-1</b>	SERIAL NUMBER <b>10/659,326</b>
	APPLICANT <b>Harashima, et al.</b>	
	FILING DATE <b>September 11, 2003</b>	GROUP

## U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## Foreign Patent Documents

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		<b>10-84945</b>	<b>4-7-98</b>	<b>Japan</b>			<b>X</b>	

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	Shampay, <i>et al.</i> , "DNA Sequences of Telomeres Maintained in Yeast," <i>Letters to Nature</i> , Vol. 310, July 12, 1984, pages 154-157.
	Murray, <i>et al.</i> , "Characterization of Two Telomeric DNA Processing Reactions in <i>Saccharomyces cerevisiae</i> ," <i>Molecular and Cellular Biology</i> , November 1988, pages 4642-4650.
	Widianto, <i>et al.</i> , "One-Step Splitting of a Chromosome in Haploid Cells of <i>Saccharomyces cerevisiae</i> and Its Effect on the Cell Proliferation," <i>Journal of Fermentation and Bioengineering</i> , Vol. 82, No. 3, pages 199-204, 1996.
	Kitada, <i>et al.</i> , "Cloning of the <i>Candida glabrata</i> TRP1 and HIS3 Genes, and Construction of their Disruptant Strains by Sequential Integrative Transformation," <i>Gene</i> , 165, (1995), pages 203-206.
	Güldener, <i>et al.</i> , "A New Efficient Gene Disruption Cassette for Repeated Use in Budding Yeast," <i>Nucleic Acids Research</i> , 1996, Vol. 24, No. 13, pages 2519-2524.
	Winston, <i>et al.</i> , "Construction of a Set of Convenient <i>Saccharomyces cerevisiae</i> Strains that are Isogenic to S288C," <i>Yeast</i> , Vol. 11: pages 53-55 (1995).
EXAMINER	DATE CONSIDERED
<b>EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant</b>	